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Abbreviations and symbols:—'(P)' refers to summaries of papers read at Meetings of the Association of Clinical Pathologists, etc.; '(L)' refers to letters to the Editor. *indicates first-named author.

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CRC Handbook Series in Clinical Laboratory Science, Section C, *Pathology*, Vol. I, 1978, **965**
Current Topics in Immunology, Series No. 9, *HLA and H-2 Basic Immunogenetics: Biology and Clinical Relevance*, 1978, **638**
Dahlin, D. C.: *Bone Tumors: General Aspects and Data on 6211 Cases*, 1978, **742**
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Fahlberg, W. J., and Groschel, D., eds.: *Handbook on Hospital-Associated Infections*, Vol. I, *Occurrence, Diagnosis, and Sources of Hospital-Associated Infections*, 1978, **637**
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Handbook of Clinical Neurology, Vol. 34, *Infections of the Nervous System*, Part II, 1978, **312**
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McDonald, G. A., Dodds, T. C., and Cruickshank, B.: *Atlas of Haematology*, 4th ed., 1978, **199**
Mason, J. K., ed.: *The Pathology of Violent Injury*, 1978, **199**
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Methods in Cancer Research, Vol. XV, 1978, **636**
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Perspectives in Pediatric Pathology, Vol. 4, 1978, **1194**
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Progress in Clinical and Biological Research, Vol. 25, *Recent Advances in Clinical Oncology*, 1978, **742**
Progress in Hemostasis and Thrombosis, Vol. 4, 1978, **855**
Rattazzi, M. C., Scandalios, J. G., and Whitt, G. S., eds.: *Isozymes: Current Topics in Biological and Medical Research*, Vols. 1 and 2, 1978, **413**

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Recent Advances in Infection, No. 1, 1979, **966**
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Suttie, J. W.: *Introduction to Biochemistry*, 2nd ed., 1977, **412**
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Vinken, P. J., and Bruyn, G. W., eds.: *Handbook of Clinical Neurology*, Vol. 33, *Infections of the Nervous System*, Part 1, 1978, **94**
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Widmann, F. K.: *Pathobiology: How Disease Happens*, 1978, **521**
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Witiak, D., Newman, H., and Feller, D.: *Clofibrate and Related Analogs*, 1977, **635**
World Health Organization: *Steroid Contraception and the Risk of Neoplasia* (WHO Technical Report Series, 619), 1978, **95**
Yates, R. D., and Gordon, M.: *Male Reproductive System: Fine Structure Analysis by Scanning and Transmission Electron Microscopy*, 1978, **94**
Year Book of Pathology and Clinical Pathology, 1978, **413**
Yen, S. S. C., and Jaffe, R. B.: *Reproductive Endocrinology: Physiology, Pathophysiology and Clinical Management*, 1978, **413**
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